

**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-20. Cancelled

21. *(Currently Amended)* A ~~wireless communications~~ programmer management system, comprising:

a remote web-based data center;

an implantable medical device programmer in wireless, bi-directional communication with the remote web-based data center and including dedicated software to access the remote data center; and

a network connection comprising a communications protocol that emulates a client/server model wherein ~~commands entered on the programmer are executed as if entered directly on the remote data center such that a command entered on the programmer can effect an execution of operations at the remote expert location;~~

means for initiating a connection between the remote data center and the programmer;

means for initiating programmer management according to a data set;

means for assessing whether the data set relates to programmer trouble shooting; and

means for assessing whether the data set relates to programmer performance parameters.

22. *(Previously Presented)* The system of claim 21 wherein the remote data center includes a database of clinical data and wherein the programmer delivers various clinical data to the remote data center in management of the database.

23. *(Previously Presented)* The system of claim 21 wherein executable commands implemented in the processor are delivered to the programmer in performance of maintenance including delivery of software upgrades on imbedded systems of the programmer.

24. *(Previously Presented)* The system of claim 22 wherein the database includes usage logs, patient data, error logs, and performance parameter information.

25. *(Previously Presented)* The system of claim 24 wherein the usage logs include clock/timer data relating to the number of connections between the programmer and an implantable medical device.